D1541D4I-2L2T

- Intel Xeon D1541 Processor
- Supports Dual channel DDR4 2133/1866 R DIMM max 64/128 GB
- Support 6 SATA3 by D1541
- Supports 1x PCIe 3.0 x16
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 2x 10GLAN by Intel X557-AT2,2 x GLAN by Intel i210

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Specifications

MB Physical Status	
Form Factor	- Mini-ITX
Dimensions	- 6.7" x 6.7" (17.02 cm x 17.02 cm)
Processor System	
CPU	- Supports Intel® Xeon® D1541 Processor
Chipset	- Soc
System Memory	
Capacity	- 4 x DDR4 DIMM slots - Supports up to 128GB DDR4 ECC RDIMM - Supports up to 64GB DDR4 ECC/non-ECC UDIMM
Type	- Dual Channel DDR4 memory technology - Supports DDR4 ECC/non-ECC UDIMM, and ECC RDIMM
DIMM Size Per DIMM	- Non-ECC UDIMM :4GB, 8GB, 16GB - ECC UDIMM : 4GB, 8GB, 16GB - RDIMM : 4GB, 8GB, 16GB,32GB
DIMM Frequency	- Non-ECC UDIMM : 1600, 1866, 2133MHz, 2400MHz - ECC UDIMM : 1600, 1866, 2133MHz, 2400MHz - RDIMM : 1600, 1866, 2133MHz, 2400MHz
Voltage	- 1.2V
Expansion Slot	
PCIe 3.0 x 16	- 1 slot
M.2	-1 slot(PCIE, support form factor: 2242/2280)
Storage	
SATA Controller	- D1541: 6 x SATA3 6Gb/s (4 port from mini SAS, 1 port supports SATA DOM)
Ethernet	
Interface	- 1000 /100 /10 Mbps
LAN Controller	- 2 x RJ45 GLAN by Intel® i210 - 2 x RJ45 10GLAN by Intel® X557-AT2 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az

	- Supports Dual LAN with Teaming function
	- Supports PXE
	- LAN1 Supports NCSI

Management

BMC Controller	- ASPEED AST2400
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog - NMI - IPMI (Intelligent Platform Management Interface) v.2.0 - Virtual media over LAN function - KVM over LAN function

Graphics

Controller	- ASPEED AST2400
VRAM	- DDR3 16MB SDRAM
Output	- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz

Rear Panel I/O

VGA Port	- 1 x D-Sub
USB 3.1 Gen1 Port	- 2
Lan Port	- RJ45: 2x 10GLAN(by Intel® X557-AT2)+ 2x GLAN(by Inteli210) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
UID Button/UID LED	- 1

Internal Connector

COM Header	- 1
Auxiliary Panel Header	- 1 (include chassis intrusion, location button & LED, front LAN LED, system fault LED)
TPM Header	- 1
IPMB Header	- 1
Fan Header	- 4 (1CPU/2Front/1Rear)
ATX Power	- 1 x (24-pin)
DC IN	- 1 x (8pin 12V)

System BIOS

BIOS Type	- 128Mb AMI UEFI Legal BIOS
BIOS Features	- Plug and Play (PnP) - ACPI 2.0 Compliance Wake Up Events - SMBIOS 2.8.0 Support - ASRock Rack Instant Flash

Hardware Monitor

Temperature	- CPU Temperature Sensing - System Temperature Sensing - System Inlet Temperature Sensing
Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Voltage	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, 1.05V_PCH, +BAT, 3VSB, 5VSB

Support OS

OS	Microsoft® Windows® - Server 2008 R2 SP1 (64 bit) - Server 2012 (64 bit) - Server 2012 R2 (64 bit) Linux - RedHat Enterprise Linux Server 6.6 (32 / 64 bit) / 7.0 (64 bit) - CentOS 6.6 (32 / 64 bit) / 7.0(64 bit (only supports AHCI mode) - SUSE Enterprise Linux Server 11 SP3 (32 / 64 bit) 12 (64 bit) - FreeBSD 10.1 (32 / 64 bit) - Fedora Core 22 (64 bit) - Ubuntu 15.04/15.10 (64 bit)(AHCI mode)

	Virtual:
	- VMWare® ESXi 5.5/ ESXi 6.0
Environment	
Temperature	Operation temperature Range: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

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